

S. Priebe

1632  
49  
12-17-01  
P.2.RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/615,571DATE: 12/06/2001  
TIME: 12:25:22Input Set : N:\Crf3\RULE60\09615571.txt  
Output Set: N:\CRF3\12062001\I615571.raw

RECEIVED

DEC 14 2001

TECH CENTER 1600/2900

ENTERED

```

4 <110> APPLICANT: Paul Harris
5   Kimberly M. Brown
7 <120> TITLE OF INVENTION: Polypeptides Having Phospholipase B
8   Activity And Nucleic Acids Encoding Same
11 <130> FILE REFERENCE: 5951.000-US
13 <140> CURRENT APPLICATION NUMBER: 09/615,571
14 <141> CURRENT FILING DATE: 2000-07-13
16 <150> PRIOR APPLICATION NUMBER: 09/426,072
17 <151> PRIOR FILING DATE: 1999-10-21
20 <160> NUMBER OF SEQ ID NOS: 4
22 <170> SOFTWARE: FastSEQ for Windows Version 3.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 2318
26 <212> TYPE: DNA
27 <213> ORGANISM: Aspergillus oryzae
29 <400> SEQUENCE: 1
30 aattcctgga caacaatccc tttagagagt atagtaaggg ggatgaactg agatgctaag      60
31 ctacagttct tcgccttggc gtaggctgcc ccatgtcttg gtttagtgct tctctccacc      120
32 ctagtagctt agccattgct tgtccaatcc cattcccacg tcgcacacag ctctatttat      180
33 gaccaaggct gtcaaagtag agccccactc atgtggcctc cacttcatat tgttttcttt      240
34 gtcgataaga ctgtcatccc gtctccggtg gcttccacga agaacgattt gtaaagatgg      300
35 atagcgatag gctgcccttg gtcggtatga agccgaagtc cctcgtgcct cgatggatat      360
36 gcgcttcaac ccgacgcaca gcgcacgtgg tatccgaatg ggacggaaag gtagctcctc      420
37 cagtgggcta tataagcctt tccctggccg ggctcagact ccctagcaag cagcattggt      480
38 caagctcacg acctcaatcc gcgagtaaac atgaagtcca ccgctctgct tactgggtctc      540
39 ggectcttgg cctctctcgg tcttgctagc cctgtcacgt ccgagtatac gagcgtgcga      600
40 gaagccccct tcggatacaa gcctggctcc aaggagtcca ttgagaactt gaaggacaag      660
41 gtcgagaaca ttgtctggct tattctcgag aacagggttg tgtgccctta cgatattcat      720
42 atgtggaata ataaattcct caattcagct tgtggtatgt gaagacgagc actaacatat      780
43 ggtccagatc cttcgataac attctgggag gcgtgcgcgg ccaaggactg gacaaccoga      840
44 tcaacaacgg ccggttctgc aactacaaga atgcgagcga cccatcctcg ggcaagtact      900
45 gtactcaggc caaggactat gattccgtgt tcaacgatcc agaccactcc gtgactggta      960
46 ataacttgga gttctacgga acttacaccc caaacaatgg tgcgattgcc agtggcaagg      1020
47 tcgtcgccga ccagtctggc ttctcacaag cacagcttaa cgactacccc aaactggccc      1080
48 cagaagaggg gacaaggcaa gtgatgggat actatacgga ggaggagggt cctacgctcg      1140
49 tggacatttg ggatgagttc actactttca acagctggtt ctcgtgtggt cctggcgtaa      1200
50 ttgcgataaa tctgtatatt tttaattttg actaacgcgt tcaaaagcct accaaccoca      1260
51 accgcttggt cgctctggca ggaaccgctg ctgggcattg caagaatgac gatgacttcc      1320
52 tgaactatgg tatctctagc aagtccatct tcgaggccgc caacgagaag ggcgtgtcct      1380
53 ggctcaacta cgatggcacc aacggagaat tcgaaccgga ttctctcttc ttacacctag      1440
54 tcaaccagac ctcccgggtc aacgtgggtg ccgttgaaaa cttcttccaa gacgcctacc      1500
55 tcggtgtcct ccctaaatct tcttacatta accctcctg ctgcggcacc aacaccaact      1560
56 ccatgcaccc caccggtaac gtctcctacg gtgaggtctt cgtcaagcag atctatgatg      1620
57 ccattcgcca gggccctcag tgggacaaga ccctgtctct cattacctac gacgagaccg      1680
58 gtggcttcta cgaccatgtc cctccccctc tcgccgtccg cccggacaac ctgacctaca      1740
59 ctgagactgc gaagaacggt cagaaataca ctcttcaact cgaccgtctg ggtggccgca      1800
60 tgccgacctg ggttatctcc ccttacagta agaagggata catcgagcag tacggaacgg      1860

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/615,571

DATE: 12/06/2001

TIME: 12:25:22

Input Set : N:\Crf3\RULE60\09615571.txt

Output Set: N:\CRF3\12062001\I615571.raw

```

61 atcccgtcac gggcaagccc gctccctaca gtgctacctc cgtcctcaag actctcggat 1920
62 atctctggga catcgaggac ttcacccctc gtgtcgccca ctctccatct ttogatcacc 1980
63 tgatcggcac gactttgcgt gaggatgctc ctattgctct caagactccc catacctttt 2040
64 cggataaagt ctcagtcctg gcagtgagac aggattaaaa gtgatgatga acgttctgac 2100
65 ttcagtgaac gattacatgt tatagagcat tgttttgctt atagctacgc ctagagcgag 2160
66 cgcgatgatg ataagataaa gctggggttat ttctctattg tatattcatt aatgaaagac 2220
67 tttgataaca tgggatttaa aaaggaaatg tttctttgca caatcaactc acggaacagg 2280
68 cgtaacttta cgatgactgc accccggata cattaatt 2318
70 <210> SEQ ID NO: 2
71 <211> LENGTH: 464
72 <212> TYPE: PRT
73 <213> ORGANISM: Aspergillus oryzae
75 <400> SEQUENCE: 2
76 Met Lys Ser Thr Ala Leu Leu Thr Gly Leu Gly Leu Leu Ala Ser Leu
77 1 5 10 15
78 Gly Leu Ala Ser Pro Val Thr Ser Glu Tyr Thr Ser Val Arg Glu Ala
79 20 25 30
80 Pro Phe Gly Tyr Lys Pro Gly Ser Lys Glu Ser Ile Glu Asn Leu Lys
81 35 40 45
82 Asp Lys Val Glu Asn Ile Val Trp Leu Ile Leu Glu Asn Arg Ser Phe
83 50 55 60
84 Asp Asn Ile Leu Gly Gly Val Arg Arg Gln Gly Leu Asp Asn Pro Ile
85 65 70 75 80
86 Asn Asn Gly Pro Phe Cys Asn Tyr Lys Asn Ala Ser Asp Pro Ser Ser
87 85 90 95
88 Gly Lys Tyr Cys Thr Gln Ala Lys Asp Tyr Asp Ser Val Phe Asn Asp
89 100 105 110
90 Pro Asp His Ser Val Thr Gly Asn Asn Leu Glu Phe Tyr Gly Thr Tyr
91 115 120 125
92 Thr Pro Asn Asn Gly Ala Ile Ala Ser Gly Lys Val Val Ala Asp Gln
93 130 135 140
94 Ser Gly Phe Leu Asn Ala Gln Leu Asn Asp Tyr Pro Lys Leu Ala Pro
95 145 150 155 160
96 Glu Glu Ala Thr Arg Gln Val Met Gly Tyr Tyr Thr Glu Glu Glu Val
97 165 170 175
98 Pro Thr Leu Val Asp Leu Val Asp Glu Phe Thr Thr Phe Asn Ser Trp
99 180 185 190
100 Phe Ser Cys Val Pro Gly Pro Thr Asn Pro Asn Arg Leu Cys Ala Leu
101 195 200 205
102 Ala Gly Thr Ala Ala Gly His Gly Lys Asn Asp Asp Asp Phe Leu Asn
103 210 215 220
104 Tyr Gly Ile Ser Ser Lys Ser Ile Phe Glu Ala Ala Asn Glu Lys Gly
105 225 230 235 240
106 Val Ser Trp Leu Asn Tyr Asp Gly Thr Asn Gly Glu Phe Glu Pro Asp
107 245 250 255
108 Ser Leu Phe Phe Thr Tyr Val Asn Gln Thr Ser Arg Ser Asn Val Val
109 260 265 270
110 Pro Val Glu Asn Phe Phe Gln Asp Ala Tyr Leu Gly Val Leu Pro Lys
111 275 280 285

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/615,571

DATE: 12/06/2001

TIME: 12:25:23

Input Set : N:\Crf3\RULE60\09615571.txt

Output Set: N:\CRF3\12062001\I615571.raw

```

112 Phe Ser Tyr Ile Asn Pro Ser Cys Cys Gly Thr Asn Thr Asn Ser Met
113      290                      295                      300
114 His Pro Thr Gly Asn Val Ser Tyr Gly Glu Val Phe Val Lys Gln Ile
115      305                      310                      315                      320
116 Tyr Asp Ala Ile Arg Gln Gly Pro Gln Trp Asp Lys Thr Leu Leu Phe
117                      325                      330                      335
118 Ile Thr Tyr Asp Glu Thr Gly Gly Phe Tyr Asp His Val Pro Pro Pro
119                      340                      345                      350
120 Leu Ala Val Arg Pro Asp Asn Leu Thr Tyr Thr Glu Thr Ala Lys Asn
121                      355                      360                      365
122 Gly Gln Lys Tyr Thr Leu His Phe Asp Arg Leu Gly Gly Arg Met Pro
123                      370                      375                      380
124 Thr Trp Val Ile Ser Pro Tyr Ser Lys Lys Gly Tyr Ile Glu Gln Tyr
125      385                      390                      395                      400
126 Gly Thr Asp Pro Val Thr Gly Lys Pro Ala Pro Tyr Ser Ala Thr Ser
127                      405                      410                      415
128 Val Leu Lys Thr Leu Gly Tyr Leu Trp Asp Ile Glu Asp Phe Thr Pro
129                      420                      425                      430
130 Arg Val Ala His Ser Pro Ser Phe Asp His Leu Ile Gly Thr Thr Leu
131                      435                      440                      445
132 Arg Glu Asp Ala Pro Ile Ala Leu Lys Thr Pro His Thr Phe Ser Val
133      450                      455                      460
135 <210> SEQ ID NO: 3
136 <211> LENGTH: 27
137 <212> TYPE: DNA
138 <213> ORGANISM: Aspergillus oryzae
140 <400> SEQUENCE: 3
141 attttaaata tgaagtccac cgctctg
143 <210> SEQ ID NO: 4
144 <211> LENGTH: 30
145 <212> TYPE: DNA
146 <213> ORGANISM: Aspergillus oryzae
148 <400> SEQUENCE: 4
149 gtttaattaaa cttataccga aaaggatatgg

```

27

30

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/615,571

DATE: 12/06/2001

TIME: 12:25:24

Input Set : N:\Crf3\RULE60\09615571.txt

Output Set: N:\CRF3\12062001\I615571.raw